



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/675,713	09/30/2003	Jianxin Wang	66329/31252	6323
23380	7590	07/11/2007	EXAMINER	
TUCKER ELLIS & WEST LLP			MCLEAN, NEIL R	
1150 HUNTINGTON BUILDING				
925 EUCLID AVENUE			ART UNIT	PAPER NUMBER
CLEVELAND, OH 44115-1414			2625	
			MAIL DATE	DELIVERY MODE
			07/11/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/675,713	WANG ET AL.	
	Examiner	Art Unit	
	Neil R. McLean	2625	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 30 September 2003.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-28 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-28 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 30 September 2003 is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO/SB/08)
 Paper No(s)/Mail Date 09/30/2003.
- 4) Interview Summary (PTO-413)
 Paper No(s)/Mail Date. _____.
- 5) Notice of Informal Patent Application
- 6) Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-28 are rejected under 35 U.S.C. 102(e) as being anticipated by Lozano et al. (US 2004/0030809).

Regarding Claim 1:

Lozano et al. teaches a method for a printer driver ([0038], line 10) on a client machine ([0037], line 3) to communicate with a network printer ([0051], line 9) communicatively coupled to a print server ([0051], line 11), comprising the steps of:
searching a computer network (program step 200 in Figure 1) for at least one printer accessible by the client machine ([0042], lines 1-3);
selecting at least one accessible printer located by an associated user ([0042], lines 3-7 and step 108 in Figure 1);
retrieving the network address corresponding to the at least one accessible printer selected by the user ([0051], lines 1-4 and step 200 in Figure 1);

storing the network address corresponding to the at least one selected accessible printer and a network path corresponding to the at least one selected accessible printer in an internal value table of the client machine ([0052], lines 1-4 and 202 in Figure 2); and

mapping a port from the at least one selected accessible printer to the client machine, wherein the printer driver of the client machine is able to pass through an actual port with the at least one selected accessible printer ([0044], lines 1-9 and step 300 in Figure 1 and [0051], lines 4-17).

Regarding Claim 2:

The method of claim 1, further comprising the step of downloading a printer driver from an associated print server ([0050], see program step 700).

Regarding Claim 3:

The method of claim 1 further comprising the step of exporting a function to the printer driver ([0042], lines 3-7).

Regarding Claim 4:

The method of claim 1, wherein the network address is an Internet Protocol address ([0059], lines 1-9).

Regarding Claim 5:

The method of claim 1, wherein the network address is a proprietary network protocol address ([0067], lines 1-18).

Regarding Claim 6:

The method of 5, wherein the proprietary network protocol is an Internetwork Packet Exchange protocol ([0067], lines 1-18).

Regarding Claim 7:

The method of claim 1, wherein the storing step further comprises storing an associated port name corresponding to the at least one selected accessible printer in an internal value table of the client machine ([0052], lines 1-3).

Regarding Claim 8:

Lozano et al. teaches a system for a printer driver ([0038], line10) on a client machine ([0037], line 3) to communicate with a network printer ([0051], line 9) communicatively coupled to a print server ([0051], line 11), comprising:

means (the software code of the browser program that is described in [0042], lines 1-3) adapted for searching a computer network (program step 200 in Figure 1) for at least one printer accessible by the client machine;

means (the software code of the browser program that is described in [0042], lines 3-7) adapted for selecting at least one accessible printer located by an associated user (step 108 in Figure 1);

means (the software code of the browser program that is described in [0051], lines 1-4) adapted for retrieving the network address corresponding to the at least one accessible printer selected by the user user (step 200 in Figure 1);

means (the software code of the browser program that is described in [0052], lines 1-4)adapted for storing the network address corresponding to the at least one selected accessible printer and a network path corresponding to the at least one selected accessible printer in an internal value table of the client machine (202 in Figure 2); and

means (the software code of the browser program that is described in [0044], lines 1-9; and [0051], lines 4-17) adapted for mapping a port from the at least one selected accessible printer to the client machine, wherein the printer driver of the client machine is able to pass through an actual port with the at least one selected accessible printer (step 300 in Figure 1).

Regarding Claim 9:

The system of claim 8, further comprising means adapted for downloading an associated printer driver from a print server ([0050], see program step 700).

Regarding Claim 10:

The system of claim 8, further comprising means adapted for exporting a function to the printer driver ([0042], lines 3-7).

Regarding Claim 11:

The system of claim 8, wherein the network address is an Internet Protocol address ([0059], lines 1-9).

Regarding Claim 12:

The system of claim 8, wherein the network address is a proprietary network protocol address ([0067], lines 1-18).

Regarding Claim 13:

The system of 12, wherein the proprietary network protocol is an Internetwork Packet Exchange protocol ([0067], lines 1-18).

Regarding Claim 14:

The system of claim 8, further comprising means adapted for storing an associated port name corresponding to the at least one selected accessible printer in an internal value table of the client machine ([0052], lines 1-3).

Regarding Claim 15:

A computer-implemented for a printer driver ([0038], line10) on a client machine ([0037], line 3) to communicate with a network printer ([0051], line 9) communicatively coupled to a print server ([0051], line 11), comprising the steps of:

searching a computer network (program step 200 in Figure 1) for at least one printer accessible by the client machine ([0042], lines 1-3);

retrieving the network address corresponding to at least one accessible printer selected by a user ([0051], lines 1-4 and step 200 in Figure 1);

storing the network address corresponding to the at least one selected accessible printer and a network path corresponding to the at least one selected accessible printer in an internal value table of the client machine ([0052], lines 1-4 and 202 in Figure 2); and

mapping a port from the at least one selected accessible printer to the client machine, wherein the printer driver of the client machine is able to pass through an actual port with the at least one selected accessible printer ([0044], lines 1-9 and step 300 in Figure 1 and [0051], lines 4-17).

Regarding Claim 16:

The computer-implemented method of claim 15, further comprising the step of downloading a printer driver from a print server ([0050], see program step 700).

Regarding Claim 17:

The computer-implemented method of claim 15 further comprising the step of exporting a function to the printer driver ([0042], lines 3-7).

Regarding Claim 18:

The computer-implemented method of claim 15, wherein the network address is an Internet Protocol address ([0059], lines 1-9).

Regarding Claim 19:

The computer-implemented method of claim 15, wherein the network address is a proprietary network protocol address ([0067], lines 1-18).

Regarding Claim 20:

The computer-implemented method of 19, wherein the proprietary network protocol is an Internetwork Packet Exchange protocol ([0067], lines 1-18).

Regarding Claim 21:

The computer-implemented method of claim 15, wherein the storing step further comprises storing a port name corresponding to the at least one selected accessible printer in an internal value table of the client machine([0052], lines 1-3).

Regarding Claim 22:

A computer-readable medium for a printer driver ([0038], line10) on a client machine ([0037], line 3) to communicate with a network printer ([0051], line 9) communicatively coupled to a print server ([0051], line 11), comprising:

means (the software code of the browser program that is described in ([0042], lines 1-3) adapted for searching a computer network (program step 200 in Figure 1) for at least one printer accessible by the client machine;

means (the software code of the browser program that is described in ([0042], lines 3-7) adapted for selecting at least one accessible printer located by an associated user (step 108 in Figure 1);

means (the software code of the browser program that is described in ([0051], lines 1-4) adapted for retrieving the network address corresponding to the at least one accessible printer selected by the user user (step 200 in Figure 1);

means (the software code of the browser program that is described in [0052], lines 1-4) adapted for storing the network address corresponding to the at least one selected accessible printer and a network path corresponding to the at least one selected accessible printer in an internal value table of the client machine (202 in Figure 2); and

means (the software code of the browser program that is described in [0044], lines 1-9; and [0051], lines 4-17) adapted for mapping a port from the at least one selected accessible printer to the client machine, wherein the printer driver of the client machine is able to pass through an actual port with the at least one selected accessible printer (step 300 in Figure 1).

Regarding Claim 23:

The computer-readable medium of claim 22, further comprising means adapted for downloading a printer driver from a print server ([0050], see program step 700).

Regarding Claim 24:

The computer-readable medium of claim 22, further comprising means adapted for exporting a function to the printer driver ([0042], lines 3-7).

Regarding Claim 25:

The computer-readable medium of claim 22, wherein the network address is an Internet Protocol address ([0059], lines 1-9).

Regarding Claim 26:

The computer-readable medium of claim 22, wherein the network address is a proprietary network protocol address ([0067], lines 1-18).

Regarding Claim 27:

The computer-readable medium of 26, wherein the proprietary network protocol is an Internetwork Packet Exchange protocol ([0067], lines 1-18).

Regarding Claim 28:

The computer-readable medium of claim 22, further comprising means adapted for storing a port name corresponding to the at least one selected accessible printer in an internal value table of the client machine ([0052], lines 1-3).

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Schacht et al. (US 6,959,437) teaches receiving a request addressed to a first IP address from a network-connected computer workstation; supplying a web page from an embedded web server; in response to accessing the web server, causing printer driver software to be supplied to the computer workstation; receiving documents from the computer workstation in accordance with the supplied printer driver software; and, processing the received documents.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Neil R. McLean whose telephone number is 571.270.1679. The examiner can normally be reached on Monday through Friday 7:30AM-5:00PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, King Poon can be reached on 571.272.7440. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

N.R. McLean
Neil R. McLean
06/28/2007

K.Y.Poon
KING Y. POON
~~PRIMARY EXAMINER~~
Supervisory Patent Examiner